

CLAIMS

1. Headset for bicycles, cycles and the like of the type comprising, in a one-piece cartridge, a bearing assembly (3) inserted between an outer cup (2) and an inner cup (4), the outer cup bearing against the interior wall of a bore in the head tube, characterized in that it comprises, as one piece, said cartridge including a floating reinforced seal, on which there is positioned a ring which itself on the outside has a seal bearing against the outer cup, said ring being in contact with the inner cup of the cartridge, the ring housing, in its upper part, an O-ring and a compression ring in order to give compression stresses.
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2. Headset according to Claim 1, characterized in that the outer cup is designed on its interior wall (2d) to have a cut-out (2f) allowing a profiled seal (5) to float and housing an insert (6) to compensate for misalignment of the contact regions.
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3. Headset according to either one of Claims 1 and 2, characterized in that the outer cup comprises a cylindrical wall (2a) force-fitting into the head tube, continued in the upper part by a horizontal part (2b) forming a flange and by a conical lower wall (2c) directed inwards and forming the seat for the bearings.
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4. Headset according to either one of Claims 1 and 3, characterized in that the inner cup (4) has a conical profile (4a) with a bottom part (4b) and a vertical straight wall (4e), the upper end (4d) having a cut (4e), the upper plane (4f) of the cup adjacent to said cut being straight and horizontal and exhibiting a nose (4g) on which the seal (5) rests.
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5. Headset according to Claim 2, characterized in that the seal (5) is mounted to float in the cut-out (2f) formed on the profile of the outer cup and in that
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the cut-out (2f) is made over part of the height of the wall of said outer cup over a distance greater than the thickness of the seal which is mounted and positioned by clipping, said seal being mounted in the cut-out
5 (2f) while being held in place with the nose part forming a stop.

6. Headset according to Claim 5, characterized in that the seal has an insert.

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7. Headset according to Claim 6, characterized in that the inset is made of brass.

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8. Headset for bicycles, cycles and the like of the type comprising, in a one-piece cartridge, a bearing assembly (3) inserted between an outer cup (2) and an inner cup (4), the outer cup bearing against the interior wall of a bore in the head tube, characterized in that it comprises, as one piece, said cartridge including a floating reinforced seal, on which there is positioned a ring which itself on the outside has a seal bearing against the outer cup, said ring being in contact with the inner cup of the cartridge.

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